

# Purchase Order Receipt Listing

Friday, January 27, 2017 2:33:53 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO35031 All Receipt Dates All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
<b>Vendor ID/Vendor Name</b> VC-COP001 Thyssenkrupp Materials CA Ltd											
PO35031	1		M174R0.750	f	1/27/2017	1/27/2017	14.2000	\$6.65	0.0000	0	\$94.46
CAD	No		17-4 round bar .750	f	14.2000	QUIR01		\$94.46	0.0000	0	
			M136697								
	2		M303R0.500	f	1/27/2017	1/27/2017	24.0000	\$1.98	0.0000	0	\$47.53
	No		303 Round Bar 0.500"	f	24.0000	QUIR01		\$47.53	0.0000	0	
			M136697								
	3		M303R0.750	f	1/27/2017	1/27/2017	12.0000	\$4.46	0.0000	0	\$53.47
	No		303 Round Bar 0.750	f	12.0000	QUIR01		\$53.47	0.0000	0	
			M136697								
	4		M303R1.000	f	1/27/2017	1/27/2017	12.0000	\$6.76	0.0000	0	\$81.18
	No		303 Round Bar 1.00	f	12.0000	QUIR01		\$81.18	0.0000	0	
			M136697								
	5		M6061T6B0.375X01. f	f	1/27/2017	1/27/2017	12.0000	\$3.41	0.0000	0	\$40.96
	No		6061T6 BAR .375 x 1.00	f	12.0000	QUIR01		\$40.96	0.0000	0	
			M136697								
	6		M6061T6B0.500X06. f	f	1/27/2017	1/27/2017	12.0000	\$8.00	0.0000	0	\$95.99
	No		6061-T6 Bar .500 x 6.00	f	12.0000	QUIR01		\$95.99	0.0000	0	
			M136697								
	7		M6061T6B0.500X12. f	f	1/27/2017	1/27/2017	12.0000	\$15.81	0.0000	0	\$189.74
	No		6061-T6 Bar .500 x 12.00	f	12.0000	QUIR01		\$189.74	0.0000	0	
			M136697								

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO35031	8		M6061T6B0.750X00.f 750		1/27/2017	1/27/2017	12.0000	\$3.41	0.0000	0	\$40.96
CAD	No		6061-T6 Bar .750 x f .750		12.0000	QUIR01		\$40.96	0.0000	0	
			M136697								
	9		M6061T6B00750X00.f .125		1/27/2017	1/27/2017	120.0000	\$0.41	0.0000	0	\$49.16
	No		6061-T6 Bar .750 x f .125		100.0000	QUIR01		\$49.16	0.0000	0	
			M136697								
	10		M6061T6B2.000X01.f 250		1/27/2017	1/27/2017	12.0000	\$6.70	0.0000	0	\$80.36
	No		6061-T6 Bar 2.00 x f 1.25		12.0000	QUIR01		\$80.36	0.0000	0	
			M136697								
	11		M7075T6B7.000X2.0 f 00		1/27/2017	1/27/2017	6.6900	\$78.82	0.0000	0	\$527.32
	No		7075-T6 BAR 7.000" f X 2.000" (order in billets - 13.375")		6.6900	QUIR01		\$527.32	0.0000	0	
			M136697								
	12		71401-45		1/27/2017	1/27/2017	1.0000	\$0.00	0.0000	0	\$0.00
	No		PROCUREMENT QUALITY CLAUSES		1.0000	QUIR01		\$0.00	0.0000	0	
			M136697								
Total Received Quantity:											249.8900
Total Qty to Inspect (PO U/M):											0.0000
Total Reject Quantity:											0.0000
Total Receipt Value:											\$1,301.12
Total Balance Due Quantity:											0.0000

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

B I L L O F L A D I N G

No: PEC 27450  
Ship Date 23Jan17 at 10:59 From PFW  
Probill  
Via VIM DELIVERY  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE

Ship To: ( 1)  
DART AEROSPACE

B I L L O F L A D I N G

6) Our Order PEC- 8887- 6 Your PO # 35031  
ALUMINUM FLAT BAR 6061-T6511

.50" X 6.00" X 144.0000"

Heat Number  
201621892

Tag No  
610524

Quantity  
12 FT

PCS 1 Wt LBS 42

7) Our Order PEC- 8887- 7 Your PO # 35031  
ALUMINUM FLT BAR ECONOPLT 6061-T6511

.500" X 12.00" X 144.0000"

Heat Number  
Z00108144

Tag No  
610525

Quantity  
12 FT

PCS 1 Wt LBS 84

8) Our Order PEC- 8887- 8 Your PO # 35031  
ALUMINUM SQUARE BAR 6061-T6511

.750" X 144.0000"

Heat Number  
201610858

Tag No  
610527

Quantity  
12 FT

PCS 1 Wt LBS 9

9) Our Order PEC- 8887- 9 Your PO # 35031  
ALUMINUM FLAT BAR 6061-T6511

.125" x .750" X 240.0000"

Heat Number  
429847-4

Tag No  
610528

Quantity  
100 FT

PCS 5 Wt LBS 11

10) Our Order PEC- 8887- 10 Your PO # 35031  
ALUMINUM FLAT BAR 6061-T6511

1.250" x 2.00" X 144.0000"

Heat Number  
201617706

Tag No  
610529

Quantity  
12 FT

PCS 1 Wt LBS 36

11) Our Order PEC- 8887- 12 Your PO # 35031  
Part # \*\* FROM PLATE \*\*\* Rel #  
ALUMINUM PLATE 7075-T651 DOMESTIC  
2.00" THICK X 7.0000" X 13.3750"

Page: 2 ....Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX  
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.  
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY  
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

## B I L L O F L A D I N G

No: PEC 27450

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 23Jan17 at 10:59 From PFW  
Probill

Via VIM DELIVERY  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7

Ship To: ( 1)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7  
Tel: 613-632-9577 Fax: 613-632-1053

## B I L L O F L A D I N G

1) Our Order PEC- 8887- 1 Your PO # 35031  
STAINLESS STEEL ROUND BAR 17-4 STAINLESS  
.750" DIA X 170.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
800644	610517	14 ' 2.0000 "	1	21

2) Our Order PEC- 8887- 2 Your PO # 35031  
STAINLESS STEEL ROUND BAR 303 STAINLESS  
.50" DIA X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
428558	610518	24 FT	2	15

3) Our Order PEC- 8887- 3 Your PO # 35031  
STAINLESS STEEL ROUND BAR 303 STAINLESS  
.750" DIA X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
100D	610519	12 FT	1	18

4) Our Order PEC- 8887- 4 Your PO # 35031  
STAINLESS STEEL ROUND BAR 303 STAINLESS  
1.00" DIA X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
428705	610520	12 FT	1	33

5) Our Order PEC- 8887- 5 Your PO # 35031  
ALUMINUM FLAT BAR 6061-T6511  
.375" x 1.00" X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
201621178	610522	12 FT	1	6

Page: 1 ....Continued

ALUMINIUM - LAITON - CUIVRE - PLASTIQUE - ACIER INOX  
ALUMINUM - BRASS - COPPER - PLASTICS - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
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THYSSENKRUPP MATERIALS NA  
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CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

B I L L O F L A D I N G

No: PEC 27450

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Probill  
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DART AEROSPACE

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DART AEROSPACE

B I L L O F L A D I N G  
GRAIN DIRECTION ALONG THE 13.375 INCH DIM \*\*\*\*\*

Heat Number	Tag No	Quantity	PCS	Wt LBS
9346164	610586	3.90 SFT	6	118

TOTAL:	Tags 11	PCS 21	LBS 393
--------	---------	--------	---------

Heat Number

\*\*\* Chemical Analysis \*\*\*

100D  
201610858  
201617706  
201621178  
428558  
428705  
429847-4  
800644  
9346164  
Z00108144

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
\*\* REFERENCED ON IT \*\*

TOTAL 1 SKID, 2 BDLS GW. 443 LBS

\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA  
CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*

\*\*\*\* TEL. 800-926-2600 \*\*\*\*

\*\*\*\*\*

\* WE STOCK STAINLESS STEEL \*

\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*

Page: 3 ....Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX  
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

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RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION  
TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE

## B I L L O F L A D I N G

No: PEC 27450

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

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DART AEROSPACE

Ship To: ( 1)  
DART AEROSPACE

## B I L L O F L A D I N G

\*\*\*\*\*  
\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
ADDED TO EVERY ORDER.\*\*\*  
\*\*\*\*\*  
\*\*\*UNE SURCHARGE D'ENERGIE DE \$25.00  
SERA AJOUTEE A CHAQUE COMMANDE.\*\*\*  
\*\*\*POUR VOS BESOINS D'ACIER INOXYDABLE,  
\*CONTACTEZ-NOUS. NOUS L'AVONS! TEL. 800-926-2600\*

Page: 4 .... Last

ALUMINIUM · LAITON · CUIVRE · PLASTIQUE · ACIER INOX  
ALUMINUM · BRASS · COPPER · PLASTICS · STAINLESS

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REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 17-4 STAINLESS  
.750" DIA X 170.0000"  
PART NO.

PO/Rel 35031

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-027450-001

23Jan17

Signed by: 

Pg 1/1



### INSPECTION CERTIFICATE

Certificate Type : EN 10204 / 3.1

Our Sales Order No.	100308	Invoice No.	1516110470	Certificate No.	1516-0006043
Customer Order No.	PEC-268604	Invoice Date	09.01.2016	Date	09.01.2016

Customer  
Thysenkrupp Materials Na  
2821 Langstaff Rd.  
Concord, Ontario L4K 5C8  
Ontario L4K 5C8  
Canada

Trade Mark

ASSL

Inspector's Mark

ASSI

Material Details	Stainless Steel Round Bar Centerless Ground & Polished		Solution Annealed		
Steel Grade	17-4ph	Shape	Round	Size	0.7500 inch
Heat No.	800644	Tolerance	A-484 (CF)	Length of Bars	144-166 inch
Net Weight	974.61 LBS	Number of Bars	46	Melting Process	EF / AOD / MEMS
Bundle No's	AH-4859				
Requirements	AMS 5643T:2013	ASTM A 564:2013	NACE MR 0175 / ISO 15156:2009		

#### Chemical Analysis %

	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Nb								
Min.						15.000		3.000	3.000	0.150								
Max.	0.070	1.000	1.000	0.040	0.030	17.500	0.500	5.000	5.000	0.450								
Melt	0.042	0.300	0.790	0.038	0.025	15.670	0.312	4.100	3.190	0.242								

#### Mechanical Properties

	YS(Rp 0.2%) (N/mm2)	UTS (N/mm2)	% Elongation	% Reduction Area	Hardness (BHN)	Charpy Impact V Notch (Longitudinal) (Joules)				
	ASTM A 370:2014	ASTM A 370:2014	ASTM A 370:2014	ASTM A 370:2014	ASTM A 370:2014	Temp. Deg	Result			
Min.						(C)	1	2	3	Avg.
Max.										
Results	998.690	1102.350	15.100	52.200	326.000					

#### Heat Treatment :

Solution Annealed @ 1900°F. Soaking for 1hr-20mins & Oil Quenching to below 90°F.

DAS  
14  
9-89

17/01/27

#### Remarks :

- \* Country Of Origin Of Goods - India
- \* Free from Radioactivity - verified through Gamma Ray Spectrometer
- \* No Mercury Contamination
- \* No welding has been performed on the material
- \* Visual & Dimensional Inspection - OK
- \* Material Identification tested through X-ray based portable Spectrometer
- \* RoHS Compliance
- \* H-900 Capability test report
- \* YS = 1198.60 N/mm<sup>2</sup>
- \* UTS = 1398.00 N/mm<sup>2</sup>

- \* EL % = 18.10
- \* RA % = 51.10
- \* Hardness = 416 BHN

QA Head / NDT Inspector

We confirm that the material is manufactured & supplied in accordance to the Purchase Order

Ambica Stainless Steel Limited

A-1/1, Wazirpur Industrial Area, New Delhi 110052 India Tel.: +91(120)4564585-88 Email: info@assl.co.in Web: www.ambicaststainless.com CIN: U27100DL2004PLC131284



38100 VICENZA (Italia) - Viale della scienza, 25 z.i.  
Telefono 0444.968211 - Fax 0444.863836  
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4/37  
Telefono 0471.924111 - Fax 0471.924497

**CERTIFICATO DI COLLAUDO - ABNAHMEPRUEFZEUGNIS - INSPECTION CERTIFICATE - CERTIFICAT DE RECEPTION**

In conformită a : EN 10204 (2004) , 3.1

Certificato nr. **MEST955824 / 2016 /**  
Prüfung/Test/Essai

Cliente / Besteller/Purchaser/Client  
 VALBRUNA CANADA LTD  
 8724 HOLGATE CRESCENT  
 L5T 5Z1 - MILTON, ONT L5T 5Z1 - CA

Stato di fornitura : Hot rolled - Annealed Cold Drawn  
Lieferzustand  
Delivery state  
État de livraison

Produttore:  
Hera S.p.A. - Viale della Repubblica, 10  
37069 Bolzano (TN) - Italia  
**STABILIMENTO DI BOLZANO**

Ordre nr: 608005939 Stock - Canada  
Beslutt  
Your order  
Commande

Tipo di Elaborazione: E+AOD

Marchi di Fabbrica:  
Zeichen des Herstellers  
Trade marks  
Societate de fabricare productie

Conferma ordine nr. **E16008423**  
 WorkL: Our OrderRef nr.

Qualität: 1

**Punzone del Collaudatore:**  
Stempel des Werkstoffverständigen  
Inspector's stamp/Pointon de l'examen

Avviso di Spedizione: D-BZ16007820  
Lieferanten/Packing List/B.L.

Marca: **MV188ZHS MAXIVAL**  
 Markenbezeichnung  
 Brand / Marque

Punzonatura: 303HS  
 Kennzeichnung  
 Märing  
 Marquise

**SPECIFICHE:**

Anforderungen / Requirements / Exigences

**Note:**

Aufzeichnungen / Notes / Notes

VSI Q 303 HS A,CF  
AISI 303  
AMS 5640 V S30300 A  
AMS 5640 V TYPE1 A  
ASME SA320 2015 B8F (0)  
ASTM A314 2015 S30300  
ASTM A320 2015A B8F (1)  
ASTM A370 2015  
ASTM A582 2012 S30300 A  
MIL-S-862 B/1 303  
QQ-S-764 B/2 303 A

(D)SECTION II PT.A 2015 EDITION Chemical analysis only

(1) Chemical analysis only

**DAS**  
**14**  
**9-89**

17/01/27

Tolleranza: ASTM A484-16 TABLE 7

Tolleranza/Allowance/Tolerance

Pos. nr.	Oggetto	Dimensioni - in	Lunghezza - in	Colata	Pezzi	Peso - LB	Lotto nr.
Pos. nr. Zona nr. No. de poste	Organisation Product description Designation du produit	Altre lunghezze Dimension D'autres long.	Longer Längen Longueur	Schmelze Mél. Coulée	Multiplicité Pièces Pièces	Grosses Weight Poids	Labor. Lot nr. Lot nr
0010	Round	0,5000	146/ 146	428558		2.105	612201700

### TEST ALLO STATO DI FORNITURA

Test on delivery condition    Prüfung auf lieferbarem produkt    test a l'état de fourniture    Prueba sobre el material así como entregado

1) L=longitudinal axis, T=transverse axis, O=Tangential/vertical

TEST		Provelele Provenite Description: Components Long term Spans Long term Spans Water Clean Thickness Long term spans	°F	Pesici Saggio Induzione Lunghezza Spessore	Sprevedimento Sprevedimento Yield Stress Yield Stress Rp 0,2%	Sprevedimento Sprevedimento Yield Stress Yield Stress Lunghezza	Resistenza Deformazione Tensione Tensione Rm	Allungamento Stretching Elongation Allungamento	Strizione Stretching Reduction of area Strizione	Resistenza Resistenza Impact Value Resistenza	Durezza Hardness Durezza HB
Valori richiesti			min								140
Assemblee suggerite/Assembled values			max								255
A	8.75	68	L	88			110	25	49		228

Mechanical properties according to ASTM A370.

### Analisi chimica

Chemische Zusammenfassung/Chemical Abstracts/Analyse chimique

Chemische Zusammensetzung (mittlerer Anteil) Analyse (Vergleich)													
Color	Test	min	0,030	0,20	1,50	10,00	3,00	0,32					
Schmelzprobe	Color	max	0,050	1,00	2,00	10,00	10,00	0,100	0,4500				
C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	Zr %			
428558	0,036	0,43	1,83	17,75	0,55	0,61	8,12	0,103	0,030	0,32	0,0044		

Produced without class I-II Ozone depleting substances.  
Solution heat treated free from continuous carbide network.  
Micro and macro etch test : OK  
Reduction ratio = 176,7 : 1  
Annealing temperature : 1960° F for 0.5h/water.  
Material is DFARS Compliant

Il collaudatore di stabilimento / der Werkesachverständige / Works inspector / L'agent d'usine

M. Rizzotto, *Kent*

Pagina - 1 di 2



STAINLESS STEEL ROUND BAR 303 STAINLESS  
.50" DIA X 144.0000"  
PART NO.

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Pg 2/2



36100 VICENZA (Italia) - Viale della scienza, 25 z.l.  
Telefono 0444.968211 - Fax 0444.963836  
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**CERTIFICATO DI COLLAUDO - ABNAHMEPRUEFZEUGNIS - INSPECTION CERTIFICATE - CERTIFICAT DE RECEPTION**

In conformità a: EN 10204 (2004), 3.1

Certificato nr. MEST955824 / 2016 /

### Nachkategorisierung in Salmo

Prüfung TestE 2001

Cliente / Besteller/Purchaser/Client  
 VALBRUNA CANADA LTD  
 8724 HOLGATE CRESCENT  
 L5T 5Z1 - MILTON, ONT L5T 5Z1 - CA

Stato di fornitura : Hot rolled - Annealed Cold Drawn  
Lieferzustand  
Delivery state  
Etat de livraison

Produttore :  
Hortel/Artem/Usine productives  
**STABILIMENTO DI BOLZANO**

Ordine nr. 608005939 Stock - Canada

Tipo di Elaborazione: E+AOD  
Erzmelzungsart  
Melting process  
Mode d'elaboration

Marchi di Fabbrica:  
Zeichen des Lieferwerkes  
Trade marks  
Styles de fabrique productrice

Bastoli  
Your order  
Commande

Qualità: 303HS  
Workstoff Grade: Norma

Punzone del Collaudatore:  
Stempel des Überwachungsverständigen  
Inspector's stamp, Poinçon de l'assureur

MR

Conferma ordine nr: E116008423

Marca: **MV188ZHS MAXIVAL**  
 Markenbezeichnung  
 Brand / Marque

Punzonatura: 303HS  
Kennzeichnung  
Markung  
Matrizen-Nr.

Sono state soddisfatte tutte le condizioni richieste  
Die gestellten Anforderungen sind it. Anlage erfüllt  
The material has been furnished in accordance with the requirements  
Le matériel a été fourni conforme aux exigences

Controllo antimescolanza: OK  
Verwechslungsprüfung: spektroskopisch durchgeführt  
Anbindungstest durchgeführt: OK  
Controllo antimessing: seit 1.1.2011

Controllo visivo e dimensionale: soddisfa le esigenze  
Beachtigung und Ausmessung: ohne Beanstandung  
Visual inspection and dimensional check: satisfactory  
Contrôle visuel et dimensionnel: satisfaisant

Melted and manufactured in Italy	No welding or weld repair	Material free from Mercury contamination
----------------------------------	---------------------------	--

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER ACCORDING TO ISO 9001 : 2008, ISO/TS16949 : 2009, AS 9100C

The Quality Management System is Certified according to Pressure Equipment Directive 1972/EC/Annex 1, 4.3 and 2014/68/EU by TÜEV and LLOYD'S. Any act of tempering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction. Maximal and/or Valplus grades/products are manufactured with ladle techniques to control composition, distribution, size and shape of non-metallic inclusions for improved machinability. The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

**Bolzano, 15/11/16**

BBLO06 - NEST355824

(Mod. MCE2) <https://doi.org/10.1002/anie.201910000>

Il collaudatore di stabilimento / der Werksachverständige / Works inspector / L'agent d'usine

M. Rizzato ✓

Pagina - 2 di 2

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 303 STAINLESS  
1.00" DIA X 144.0000"  
PART NO.

PO/Rel 35031

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-027450-004

23Jan17

Signed by:

Pg 1/2



**Acciaierie Valbruna S.p.A.**

35100 VICENZA (Italia) - Viale della scienza, 25 z.i.  
Telefono 0444.968211 - Fax 0444.963836  
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4/37  
Telefono 0471.924111 - Fax 0471.924487

### CERTIFICATO DI COLLAUDO - ABNAHMEPRUEFZEUGNIS - INSPECTION CERTIFICATE - CERTIFICAT DE RECEPTION

In conformità a: **EN 10204 (2004), 3.1**

Certificato nr. **MEST911146 / 2016 /**

Nachfolgendes

Prüfung/Testing

Cliente / Beneficiario/Purchaser/Cliet  
**VALBRUNA CANADA LTD**  
8724 HOLGATE CRESCENT  
L5T 5Z1 - MILTON, ONT L5T 5Z1 - CA

Stato di fornitura: **Hot rolled - Annealed Cold Drawn**  
Lieferzustand  
Delivery state  
Etat de livraison

Produttore:  
Hersteller/Usine productrice  
**ACCIAIERIE VALBRUNA S.P.A.**

Ordine nr. **604005710 Stock - Canada**  
Bestell-  
Your order  
Commande

Tipo di Elaborazione: **E+AOD**  
Erzeugungsmethode  
Welding process  
Mode d'elaboration

Marchi di Fabbrica:  
Zeichen des Erzeugerwerkes  
Trade marks  
Sigles de l'usine productrice



Conferma ordine nr. **E116003312**  
Auftrag/Cui Order/Ref nr.

Qualità: **303HS**  
Versuchungs-Grade/Name

Punzone del Collaudatore:  
Stempel des Werksachverständigen  
Inspector's stamp/Plaque de l'essayeur

**MR**

Avviso di Spedizione: **D-VI16019598**  
Lieferanweisung/Packing instr.

Marca: **MV188ZHS MAXIVAL**  
Markenbezeichnung  
Brand / Marque

Punzonatura: **303HS**  
Kennzeichnung  
Marking  
Marquage

#### SPECIFICHE:

Note:

Anforderungen / Requirements / Exigences

Aufzeichnungen / Notes / Notes

VSI 0 303 HS A,CF  
AISI 303  
AMS 5640 V S30300 A  
AMS 5640 V TYPE1 A  
ASME SA320 2015 B8F (0)  
ASTM A314 2015 S30300  
ASTM A320 2015A B8F (1)  
ASTM A370 2015  
ASTM A582 2012 S30300 A  
MIL-S-882 B/1 303  
QQ-S-764 B/2 303 A

(0)SECTION II PT.A 2015 EDITION Chemical analysis only.

(1)Chemical analysis only.

**DAS**  
**14**  
**9-89**

**17/01/27**

Tolleranza: ASTM A484-16 TABLE 7

Tolerance/Allowance/Tolérance

Pos. nr. Pos. n. Item n.	Oggetto Objekt Description Description du produit	Dimensioni - In Abmessungen - In Dimensions	Lunghezza - In Länge Length	Colata Schmelze Cast	Perzi Zerstücke Pieces	Peso - LB Gewicht Poids	Lotto nr. Losn. Lot n.
0050	Round	1,0000	146/ 148	428705		4,554	602607440

#### TEST ALLO STATO DI FORNITURA

Test on delivery condition / Prüfung auf Lieferbereitem produkt / test a l'etat de fourniture / Prueba sobre el material asi como entregado

TEST	Provetta / Probe Specimen/échantillon Langsam Span Prova Term. Ditta Wärm. Term. Dittatura Lang. slow span Term.	Temperatura Temperatur Temperature	Snervamento Streckgrenze Tensile Stress Limite élastic Rp 0,2%	Snervamento Streckgrenze Tensile Stress Limite élastic	Resistenza Zugfestigkeit Tensile strength Resistance à traction Rm	Allungamento Bruchdehnung Elongation Allongement E 4d	Strizione Einreißung Reduction of area Striction RA	Resilienza Resilienz Impact Value Resilience	Durezza Härte Hardness Dureté HB
Valori richiesti Anforderungen/Required values Valeurs requises	min max								140 255
A	12,5	68 L	72		101	42	58		251

#### TEST ALLO STATO DI FORNITURA

Test on delivery condition / Prüfung auf Lieferbereitem produkt / Test a l'etat de fourniture / Prueba sobre el material asi como entregado

TEST	min	max
A Grain size for ASTM E112		6

Mechanical properties according to ASTM A370.

#### Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata / Abcast Schmelze/Coulée	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	Zr %
428705	0,034	0,48	1,86	17,45	0,50	0,65	8,07	0,095	0,029	0,32	0,0040

Vicenza, 28/07/16

V00005 - MEST911146

(Mod. MCEZ)

Il collaudatore di stabilimento / der Werksachverständige / Works inspector / L'agent d'usine

**M. Rizzotto**

Pagina - 1 di 2

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 303 STAINLESS  
1.00" DIA X 144.0000"  
PART NO.

PO/Rel 35031

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-027450-004

23Jan17

Signed by: \_\_\_\_\_

Pg 2/2



### Acciaierie Valbruna S.p.A.

36100 VICENZA (Italia) - Viale della scienza, 25 z.l.  
Telefono 0444.988211 - Fax 0444.963838  
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4/37  
Telefono 0471.924111 - Fax 0471.924497

#### CERTIFICATO DI COLLAUDO - ABNAHMEPRUEFZEUGNIS - INSPECTION CERTIFICATE - CERTIFICAT DE RECEPTION

In conformità a: **EN 10204 (2004) , 3.1**

Certificato nr. **MEST911146 / 2016 /**

Nach/According to/Seen

Prüfung/test/Exam

Cliente / Besteller/Purchaser/Client  
**VALBRUNA CANADA LTD**  
8724 HOLGATE CRESCENT  
L5T 5Z1 - MILTON, ONT L5T 5Z1 - CA

Stato di fornitura: **Hot rolled - Annealed Cold Drawn**  
Lieferzustand  
Delivery state  
Etat de livraison

Produttore:  
Herstellereinheit/Usine productrice  
**ACCIAIERIE VALBRUNA S.P.A.**

Ordine nr: **604005710 Stock - Canada**  
Bestell  
Your order  
Commande

Tipo di Elaborazione: **E+AOD**  
Erneuerungsart  
Melting process  
Mode d'elaboration

Marchi di Fabbrica:  
Zeichen des Lieferanten  
Trade marks  
Sigles de l'usine productrice



Conferma ordine nr: **E16003312**

Qualità: **303HS**  
Werkstoff/Grade/Alliance

Punzone del Collaudatore:  
Stempel des Nachschreibereinstellenden  
Inspector's stamp/Plaque du l'essayeur

MR

Avviso di Spedizione: **D-VI16019598**  
Lieferanweisung/Packing instructions

Marca: **MV188ZHS MAXIVAL**  
Markenbezeichnung  
Brand / Nuance

Punzonatura: **303HS**  
Kennzeichnung  
Marking  
Marquage

Produced without class I-II Ozone depleting substances.  
Solution heat treated free from continuous carbide network.  
Micro and macro etch test: OK  
Reduction ratio = 44,2 : 1  
Material solution annealed 1070° C for 0.5h/water cooled.  
Material is DFARS Compliant

Sono state soddisfatte tutte le condizioni richieste  
Die gesamten Anforderungen sind erfüllt  
The material has been finished in accordance with the requirements  
Le matériel a été traité conforme aux exigences

Controllo antimescolanza: OK  
Verunreinigungsprüfung: spezialanalytisch durchgeführt  
Andmischung Prüfung performed: OK  
Controlle antemélange fait, r.a.s.

Controllo visivo e dimensionale: soddisfa le esigenze  
Beurteilung und Ausmessung: ohne Beanstandung  
visual inspection and dimensional checks satisfactory  
Contrôle visuel et dimensionnel: satisfaisant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER ACCORDING TO ISO 9001 : 2008, ISO/TS16949 : 2009, AS 9100C

The Quality Management System is Certified acc. Pressure Equipment Directive '97/23/EC' Annex 1,3,4,3 and 2016/86/EU by TÜV and LLOYD'S  
Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.

Maximal and/or Valplus grades/products are manufactured with ladle techniques to control composition, distribution, size and shape of non-metallic inclusions for improved machinability.

The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

Vicenza, 28/07/16

VO0005 - MEST911146

(Mod. MCE2) FORMER VAL TON S.A. 005/07/2016

Il collaudatore di stabilimento / der Werksachverständige / Works Inspector / L'agent d'usine

M. Rizzotto

Pagina - 2 di 2

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE  
ALUMINUM SQUARE BAR 6061-T6511  
750" X 144.0000"  
PART NO.

PO/Rel 35031

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL PEC-027450-008

23Jan17  
Pg 1/1

## Certificate of Mill Test Results

### CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



Can Do.

Service Center Metals

5850 Quality Way  
Prince George, VA 23875

OUR ORDER NUMBER	ITEM
266822	7

**BILL TO** ThyssenKrupp Materials NA-Concord, ON  
**SHIP TO** ThyssenKrupp Materials NA-Concord, ON  
**Quantity Certified** 1,656 lbs 206 pcs  
**MANIFEST NUMBER** 299073  
**CUSTOMER PO** PEC-276004  
**CUSTOMER PART NUMBER** TKM-1263  
**DIE NUMBER** MSQ1260  
**ALLOY/TEMPER** 6061-T6511  
**SALESPERSON** D. Schroeder (Canada)  
**DESCRIPTION** MOSQ 750 + .010-0  
**DATE OF SHIPMENT** 6/21/2016  
**CERTIFICATION** ASTM-B221-14 StencilCont  
**SPECIFICATION** AMS-QQA-200/8 Rev-A  
**SPECIFICATION** RoHS 2011/65/EU Compliant

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown.

#### Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
12	201609136	5/23/16	min 47.10 max 52.10	min 42.90 max 49.70	min 14.40 max 19.40
5	201610858	6/21/16	51.60 52.00	49.40 50.40	11.30 15.40

#### Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Others Total	Melt Source:
06101603	201610858	6061	0.71	0.35	0.30	0.10	0.87	0.15	0.08	0.02	97.42	0.05	0.15	United States of America
06111605	201610858	6061	0.77	0.37	0.31	0.10	0.87	0.09	0.07	0.02	97.40	0.05	0.15	United States of America

SCM extrusions are manufactured in the USA.

Print Date: 6/21/2016



# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM PLATE 7075-T651 DOMESTIC  
2.00" THICK X 7.0000" X 13.3750"  
PART NO. \*\* FROM PLATE \*\*\*\*

PO/Rel 35031

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-027450-011

23Jan17

Signed by:

Pg 1/2



**Constellium**



**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC

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THYSSENKRUPP CA  
2821 LANGSTAFF ROAD  
CONCORD ON  
L4K 5C6  
CA

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O

THYSSENKRUPP CA  
2821 LANGSTAFF ROAD  
CONCORD ON  
L4K 5C6  
CA

PECKOVERS	110443240	4075	INCLUSION	Serial:20160721-0110443240	Pg 1of2
CUSTOMER PURCHASE ORDER NO. & ITEM PEC-276877			Constellium ORDER NO. 182320		
ALLOY 7075	CLAD	TEMPER T851	GUAGE 2.03000 in 51.56 mm	WIDTH 60.50000 in 1,537 mm	LENGTH 144.50000 in 3,670 mm
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH					
CUSTOMER SPECIFICATION AMS QQ-A-250/12A					
PART NUMBER		B/L NUMBER 64636		DATE SHIPPED 07/22/2016	
WT. SHIPPED 5550.000 LB		NO. OF PIECES 000003		GOVT. CONTRACT NO.	
<div style="text-align: right;">                       Steve Good - Laboratory Manager                 </div>					

**CERTIFICATION**  
"Constellium Rolled Products, hereby certifies that  
metal shipped under this order has been  
inspected and found in conformance with the  
requirements of the applicable specifications as  
indicated herein. Any warranty is limited to that  
shown on Constellium Rolled Products' standard  
General Terms and Conditions of Sales. Test  
reports are on file, subject to examination."  
Constellium Rolled Products Ravenswood, LLC  
859 Century Road  
P.O. BOX 68  
RAVENSWOOD, WV 26164 USA

ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:

AMS 4045K  
ASTM B209-14

Load Details

Package	Net Lbs	Kg	Lot	Piece	Serial	Parent Lot
1001303129	1,850.000	839.145	9346164	03		
1001303130	1,850.000	839.145	9346164	01		
1001303130	1,850.000	839.145	9346164	02		

Lot: 9346164

Tensile - Room Temperature (US)

		Ultimate (KSI)		Yield (KSI)		Elongation (%)	
Direction	Tests	Min	Max	Min	Max	Min	Max
LT	02	79.9	80.3	70.2	71.0	12.5	13.5

Tensile - Room Temperature (SI)

		Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)	
Direction	Tests	Min	Max	Min	Max	Min	Max
LT	02	551	554	484	490	12.5	13.5

P-860-155D REVISED: 10 2014

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM PLATE 7075-T651 DOMESTIC  
2.00" THICK X 7.0000" X 13.3750"  
PART NO. \*\* FROM PLATE \*\*\*\*

PO/Rel 35031

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-027450-011

23Jan17

Signed by: 

Pg 2/2



**Constellium**



**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC

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THYSSENKRUPP CA

2821 LANGSTAFF ROAD  
CONCORD ON  
L4K 5C6  
CA

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THYSSENKRUPP CA

2821 LANGSTAFF ROAD  
CONCORD ON  
L4K 5C6  
CA

PECKOVERS		110443240		4075		INCLUSION		Serial:20160721-0110443240		Pg 2of2	
CUSTOMER PURCHASE ORDER NO. & ITEM PEC-276877						Constellium ORDER NO. 182320					
ALLOY 7075	CLAD	TEMPER T651	GAUGE 2.03000 in 51.56 mm	WIDTH 60.50000 in 1,537 mm	LENGTH 144.50000 in 3,670 mm		<b>CERTIFICATION</b> "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA    Steve Good - Laboratory Manager				
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS QQ-A-250/12A											
PART NUMBER			B/L NUMBER 64636		DATE SHIPPED 07/22/2018						
WT. SHIPPED 5550.000 LB		NO. OF PIECES 000003		GOVT. CONTRACT NO.							
Chemistry (Actual)											
		SI	FE	CU	MN	MG	CR	ZN	TI	ZR	
Core		0.06	0.15	1.41	0.05	2.56	0.20	5.46	0.03	0.00	
OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER											
All material contained in this lot was cast and manufactured in the USA											
<p>THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.</p> <p>CHEMISTRY BY OES: ARKSPARK</p> <p>CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT</p> <p>WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399</p> <p>WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557</p> <p>DUNS Number: 090570149; CAGE Code: 1YW19</p> <p>Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product.</p> <p>"END OF CERTIFICATION"</p>											
P-850-155D REVISED: 10 2014											

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511  
.125" x .750" X 240.0000"  
PART NO.

PO/Rel 35031

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-027450-009

23Jan17

Signed by: 

Pg 1/1

Attn:

### CAN ART

ALUMINUM EXTRUSIONS INC.

## Material Test Report

Manifest: 316387

Ship To: ThyssenKrupp Materials NA  
2821 Langstaff Road  
Concord, ON L4K 5C6

Ticket:  
5506879

Our Order: 429847 - 4

Cust P.O.: 278787

Die: ES05485

Part: 05485-000-240

Alloy Temper: 6061 T6511

Description: .125 x .750

Print Date: 10/27/16

DAS  
14  
9-89

17/01/27

### Chemical Composition Range

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	OtherEach	OtherTotal
6061										
Min	0.40		0.15		0.8	0.04				
Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15

### Mechanical Properties

Strength ksi

Sample ID	Cast #	Lot #	Test Date	Ultimate Tensile	Yield 2% offset	Elongation 2" gage length
424907	3B4184	A11	10/27/16	46.69	42.47	13.6


Applicable Specifications: ASTMB221-14 AMS-QQ-A200/8A

Country of Origin: 85 Parkshore Drive, Brampton, Ontario CANADA L6T 5M1

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Siddharth Desai - Tensile Testing

Authorized:

  
Evan Eng, Quality Assurance Manager

# THYSSENKRUPP MATERIALS NA

PART AEROSPACE  
ALUMINUM FLAT BAR 6061-T6511  
.375" x 1.00" x 144.0000"

PART NO.

PO/Rel 35031

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL DEC-027450-005

23 Jan 17  
Pg 1/1

## Certificate of Mill Test Results

### Service Center Metals

5850 Quality Way  
Prince George, VA 23875



### CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



OUR ORDER NUMBER	ITEM
279703	15

BILL TO ThyssenKrupp Materials NA-Concord, ON	MANIFEST NUMBER 315913	ONE NUMBER RB0081	DATE OF SHIPMENT 12/6/2016	CERTIFICATION ASTM-B221-14 StencilCont
SHIP TO ThyssenKrupp Materials NA-Concord, ON	CUSTOMER PO PEC-279601	ALLOY/TEMPER 6061-T6511	SALESPERSON D. Schroeder (Canada)	SPECIFICATION AMS-QQA-200/8 Rev-A
Quantity Certified 1,080 lbs 204 pcs	CUSTOMER PART NUMBER RB0081	DESCRIPTION SCRB .375x1.000		

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. This product is RoHS-2, REACH, and DfARS compliant.

DAS  
48  
9-85  
12/02/02

#### Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
2	201621177	12/3/16	min 43.40 max 44.20	min 37.80 max 38.50	min 17.40 max 18.30

#### Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Others	Total	Melt Source:
2K161104C	201621177	6061	0.64	0.24	0.22	0.06	0.86	0.07	0.01	0.02	97.87	0.05	0.15		United States of America

SCM products are melted and extruded in the USA

Print Date: 12/6/2016



# THYSSENKRUPP MATERIALS NA

DART AEROSPACE  
STAINLESS STEEL ROUND BAR 303 STAINLESS  
7.50" DIA X 144.0000"  
PART NO.

PO/Rel 35031

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-027450-003

23Jan17  
Pg 1/1



North American Stainless Canada Inc.  
740 Imperial Road North  
Guelph, ON N1K1Z3  
Canada

## METALLURGICAL TEST REPORT

6870 Highway 42 East  
Cheney, KY 41045-9615  
(502) 347-6000

Certificate: 216009 3 Mail To:

Ship To:

Customer: 007206 001 THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

Date: 9/07/2016 Page: 1

Steel: 303

Finish: CD

Corrosion:

Your Order: PEC277672

NAS Order: IN 0236677 01

### PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw  
UNS 30300, ASTM A582/12 EN 10204 3.1, ASTM A484/15  
AMS 5640V TYPE 1, Q98-764B CONDITION A  
SOLUTION ANNEAL TEMP 1900F MIN

### REMARKS:

COMPLIES W/REQUIREMENTS OF DPAR 252.225-7009 EU DIRECTIVE  
2011/65/EU, ROHS, EAF-AD-CC. NO WELD REPAIR. MELTED AND MFG  
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS  
14  
9-89  
1710127

Product Id	Skd #	Diameter	Size	Weight	-----length-----	Mark	Pieces	Commodity Code
BI1735 6		.7500		780	144.00	1	1	

### CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)  
Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323  
Chemical Analysis per ASTM A751/14a

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
100D	US	.0328	.1455	17.1285	.3270	1.8445	.3050	.0345	8.6060	.0275

S % .3108  
SI % .5520

### MECHANICAL PROPERTIES

Product Id	1 d o l c f	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 4D
BI1735 6	RL	230.0	81.18	104.43	39.68	26.52

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy  
of the test methods used, the material meets the specifications stated. These results relate only to the items  
tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr.

KRIS IABK

9/07/2016

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLT BAR ECONOPLT 6061-T6511

.500" X 12.00" X 144.0000"

PART NO.

PO/Rel 35031

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-027450-007

23Jan17

Signed by: 

Pg 1/1

**KAISER**  
**ALUMINUM**  
**FABRICATED PRODUCTS**

*Best in Class*

### CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
5205 KAISER DRIVE  
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-278342-2		CUSTOMER PART NUMBER: W61/STK		PRODUCT DESCRIPTION: .500 X 12.000 PRECISION WIDE BAR	
KAISER ORDER NUMBER: 6017989	LINE ITEM: 002	SHIP DATE: 10/04/2016	KAISER LOT NUMBER: Z00108144	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1016.000 LB	QUANTITY: 12.000 PCS	B/L NUMBER: 617037	DIA/DAF/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO:  THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO:  THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

### Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00108144	0001	0001	44.3	39.9	12.4	RE 94	N/A	N/A
Z00108144	0001	0002	43.9	39.5	12.5	RE 92	N/A	N/A

### Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
106598	.59	.26	.20	.07	.82	.06	.04	.02	.00	.00	.00	.01	.03

### Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 2009 SECT II AMS-QQ-A-200/8A UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

### Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager



Plant Serial: 00253478

Kaiser Order Number: 6017989

Line Item: 002

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE  
ALUMINUM PLAT BAR 6061-T6511  
1.250" x 2.00" x 144.0000"  
PART NO.

PO/Rel 35031

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results  
BL PEC-027450-010  
23Jan17  
Pg 1/1



Can Do.

## Service Center Metals

5850 Quality Way  
Prince George, VA 23875



## CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
278856	13

BILL TO ThyssenKrupp Materials NA-Concord, ON	MANIFEST NUMBER 314603	DIE NUMBER MRB1792	DATE OF SHIPMENT 11/21/2016	CERTIFICATION ASTM-B221-14 StencilCont
SHIP TO ThyssenKrupp Materials NA-Concord, ON	CUSTOMER PO PEC-279340	ALLOY/TEMPER 6061-T6511	SALES PERSON D Schroeder (Canada)	SPECIFICATION AMS-QQA-200/8 Rev-A
Quantity Certified 4,135 lbs 116 pcs	CUSTOMER PART NUMBER MRB1792	DESCRIPTION MORB 1.250x2.000		

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. This product is RoHS-2, REACH, and DfARS compliant.

### Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
	6 2016177706	10/13/16	min 51.40 max 51.90	min 47.90 max 48.60	min 15.15 max 17.25

### Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Others	Total	Melt Source:
1K160930C	2016177706	6061	0.74	0.37	0.33	0.10	0.88	0.10	0.03	0.03	97.41	0.05	0.15		United States of America
1K160930Y	2016177706	6061	0.74	0.37	0.32	0.10	0.88	0.09	0.03	0.03	97.44	0.05	0.15		United States of America
1K161006D	2016177706	6061	0.72	0.37	0.31	0.10	0.90	0.10	0.03	0.03	97.43	0.05	0.15		United States of America

SCM products are melted and extruded in the USA

Print Date: 11/21/2016

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 17-4 R.750  
DATE: 17/10/27

PO / BATCH NO: 35031/136697

MATERIAL CERT REC'D: yes  
QUANTITY RECEIVED: 14.20  
QUANTITY INSPECTED: 14.20  
QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: .750  
THICKNESS RECEIVED: .750  
SHEET SIZE ORDERED: \_\_\_\_\_  
SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL	(Y)	N	<u>17-4</u>
CORRECT THICKNESS	(Y)	N	<u>.750</u>
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	<u>AMS 5643</u>
CORRECT REF # TO LINK CERT	(Y)	N	<u>HEAT # 8010644</u>
CORRECT MATERIAL IDENTIFICATION	(Y)	N	<u>174 R.750</u>
CORRECT M# ON THE MATERIAL	(Y)	N	<u>M136697</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____		
DATE: <u>17/10/27</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303 RO.500  
DATE: 17/01/27

PO / BATCH NO.: 35031/136697

MATERIAL CERT REC'D: yes  
QUANTITY RECEIVED: 24'  
QUANTITY INSPECTED: 24'  
QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: .500  
THICKNESS RECEIVED: .500  
SHEET SIZE ORDERED: \_\_\_\_\_  
SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	303
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	.500
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	ASTM A582
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	HEAT# 428558
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	M303 RO.500
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	M136697
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____		
DATE: <u>17/01/27</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303 R0.750  
 DATE: 17/01/27

PO / BATCH NO.: 35031/136697

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 12'  
 QUANTITY INSPECTED: 12'  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: .750  
 THICKNESS RECEIVED: .750  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	303
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	.750
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	ASTM A582
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	HEAT # 1001D
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	M303 R0.750
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	M136697
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS 14 9-89</u> DATE: <u>17/01/27</u>	SIGNED OFF BY: _____ DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303 R1.000  
 DATE: 17/01/27

PO / BATCH NO.: 35031/136697

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 12'  
 QUANTITY INSPECTED: 12'  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: 1.00  
 THICKNESS RECEIVED: 1.00  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	Y <input type="radio"/> N <input checked="" type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	303
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	1.00
PHOTO REQUIRED	Y <input type="radio"/> N <input checked="" type="radio"/>	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	ASTM A582
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	HEAT# 928705
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	M303 R1.000
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	M136697
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="radio"/> N <input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="radio"/> N <input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

*testers located in the Quality Office*

QC-18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 14</u> DATE: <u>17/01/27</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: ML6061T6 B.750X.125

PO / BATCH NO.: 35031/136697

DATE: 17/01/27

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: .125

QUANTITY RECEIVED: 100'

THICKNESS RECEIVED: .125

QUANTITY INSPECTED: 100'

SHEET SIZE ORDERED: \_\_\_\_\_

QUANTITY REJECTED: \_\_\_\_\_

SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	N	
CORROSION	Y	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	N	<u>6061T6</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	N	<u>.125</u>
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	N	<u>ASTM B221 AMS-QQ-A-200/8</u>
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	N	<u>HEAT # 929847-4</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	N	<u>ML6061T6 B.750X.125</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	N	<u>M136697</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____		
DATE: <u>17/01/27</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M7075TL6B7.00X2.00

PO / BATCH NO.: 35031/136697

DATE: 17/01/27

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 6.69  
 QUANTITY INSPECTED: 6.69  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: 2.00  
 THICKNESS RECEIVED: 2.080  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y N	<u>7075TL</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y N	<u>2.080</u>
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y N	<u>AMS-00-A-25012</u>
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y N	<u>FEATH 9346164</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y N	<u>M7075TL6B7.00X2.00</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y N	<u>1436697</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS 14</u> DATE: <u>17/01/27</u>	SIGNED OFF BY: _____ DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6B0.375x1.000

PO / BATCH NO.: P0 35031/136697

DATE: 17/02/02

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: 1.00 .375

QUANTITY RECEIVED: 12'

THICKNESS RECEIVED: .374

QUANTITY INSPECTED: 12'

SHEET SIZE ORDERED: N/A

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	Y <input checked="" type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	Y <input checked="" type="radio"/> N	<u>6061 T6</u>
CORRECT THICKNESS	Y <input checked="" type="radio"/> N	<u>.374</u>
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	Y <input checked="" type="radio"/> N	<u>AMS-QQA-200/B</u>
CORRECT REF # TO LINK CERT	Y <input checked="" type="radio"/> N	<u>Heat # 201621178</u>
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="radio"/> N	<u>M6061T6B0.375x1.000</u>
CORRECT M# ON THE MATERIAL	Y <input checked="" type="radio"/> N	<u>M136697</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

*testers located in the Quality Office*

<b>QC 18 INSPECTION</b>		<b>ENGINEERING SIGNOFF (if required)</b>	
INSPECTED BY: <u>48</u> DATE: <u>17/02/02</u>	SIGNED OFF BY: _____ DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6B2.000X1.250

PO / BATCH NO.: P035031 / 136697

DATE: 17/02/02

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: 2.000 x 1.250

QUANTITY RECEIVED: 12'

THICKNESS RECEIVED: 2.012 x 1.261

QUANTITY INSPECTED: 12'

SHEET SIZE ORDERED: N/A

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	<u>6061 T6</u>
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	<u>ASTM B221 / AMS-GG-200/8</u>
CORRECT REF # TO LINK CERT	(Y) N	<u>Heat # 201617706</u>
CORRECT MATERIAL IDENTIFICATION	(Y) N	<u>M6061T6B2.000X1.250</u>
CORRECT M# ON THE MATERIAL	(Y) N	<u>M 136697</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

DAS

QC 18 INSPECTION	DAS	48	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>48</u>		9-89	SIGNED OFF BY: _____
DATE: <u>17/02/02</u>			DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6 B0.500 x 12,000 F

PO / BATCH NO: PO 35031 / M136687

DATE: 17-02-03

MATERIAL CERT REC'D: \_\_\_\_\_

THICKNESS ORDERED: \_\_\_\_\_

QUANTITY RECEIVED: \_\_\_\_\_

THICKNESS RECEIVED: \_\_\_\_\_

QUANTITY INSPECTED: \_\_\_\_\_

SHEET SIZE ORDERED: \_\_\_\_\_

QUANTITY REJECTED: \_\_\_\_\_

SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	<u>Z 00108199</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.  
RECORD RESULTS BELOW

TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

<b>QC 18 INSPECTION</b>	<b>ENGINEERING SIGNOFF (if required)</b>
INSPECTED BY: <u><sup>DAS</sup> 38 2.00</u>	SIGNED OFF BY: _____
DATE: <u>FEB 03 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: H6061T6 B0.500 X 0.600  
 DATE: 17-02-03

PO / BATCH NO: P035081 M136697

MATERIAL CERT REC'D: \_\_\_\_\_  
 QUANTITY RECEIVED: \_\_\_\_\_  
 QUANTITY INSPECTED: \_\_\_\_\_  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: \_\_\_\_\_  
 THICKNESS RECEIVED: \_\_\_\_\_  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	N	
CORROSION	Y	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	N	<u>201621892</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

<b>QC 18 INSPECTION</b>		<b>ENGINEERING SIGNOFF (if required)</b>	
INSPECTED BY: <u>38</u> <u>9-88</u> DATE: <u>FEB 03 2017</u>	SIGNED OFF BY: _____ DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 160616B017504.750

PO / BATCH NO.: P035031 / M136697

DATE: 17-02-03

MATERIAL CERT REC'D: \_\_\_\_\_

THICKNESS ORDERED: \_\_\_\_\_

QUANTITY RECEIVED: \_\_\_\_\_

THICKNESS RECEIVED: \_\_\_\_\_

QUANTITY INSPECTED: \_\_\_\_\_

SHEET SIZE ORDERED: \_\_\_\_\_

QUANTITY REJECTED: \_\_\_\_\_

SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	N	
CORROSION	Y	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	N	201610858
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.  
RECORD RESULTS BELOW

TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D

*testers located in the Quality Office*

QC 18 INSPECTION

ENGINEERING SIGNOFF (if required)

INSPECTED BY: 38

SIGNED OFF BY: \_\_\_\_\_

DATE: FEB 03 2017

DATE: \_\_\_\_\_

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO35031**

Purchase Order Date 1/19/2017

PO Print Date 1/19/2017

Page Number 1 of 6

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

E-MAILED

JAN 19 2017

Contact Name	Buyer	Chantal Lavoie
Vendor Phone 905 669 9444	Customer POID	
	Customer Tax #	10127-2607
Ship To Contact	Terms	Net 30
Ship To Phone	Currency	CAD
Ship Via: VENDOR'S TRUCK	FOB	FCA - (Free Carrier)
Ship Acct:		

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
	Line Comments		Promise Date				
	Delivery Comments						

1	M174R0.750	17-4 round bar .750	1/25/2017		14.20 f	\$8.93	\$126.82
			Yes				
			1/25/2017				

17-4PH/S17400/TYPE 630 SS ROUND BAR PER AMS 5643/ASTM A564  
GRAIN MUST BE ALONG LENGTH OF BAR. MINIMUM YIELD TENSILE STRENGTH = 100KSI  
MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI

Line Total: \$126.82

2	M303R0.500	303 Round Bar 0.500"	1/25/2017		24.00 f	\$2.66	\$63.82
			Yes				
			1/25/2017				

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$63.82

JAN 27 2017

PO Instructions: NO PEC ST-8344

Note:

1/19/2017

136697





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO35031**

Purchase Order Date 1/19/2017

PO Print Date 1/19/2017

Page Number 2 of 6

**Order From :**  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

VC-COP001

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 905 669 9444

**Ship To Contact**

**Ship To Phone**

**Ship Via:** VENDOR'S TRUCK

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

FCA - (Free Carrier)

3	M303R0.750	303 Round Bar 0.750	1/25/2017	12.00	\$5.98	\$71.79
			Yes	f		
			1/25/2017			

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

**Line Total: \$71.79**

4	M303R1.000	303 Round Bar 1.00	1/25/2017	12.00	\$9.08	\$108.99
			Yes	f		
			1/25/2017			

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

**Line Total: \$108.99**

5	M6061T6B0.375X01.000	6061T6 BAR .375 x 1.00	1/25/2017	12.00	\$4.58	\$55.00
			Yes	f		
			1/25/2017			

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

JAN 27 2017

**PO Instructions:** NO PEC ST-8344

**Note:**

1/19/2017



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO35031**

Purchase Order Date 1/19/2017

PO Print Date 1/19/2017

Page Number 3 of 6

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

Line Total: \$55.00

6 M6061T6B0.500X06.000 / 6061-T6 Bar .500 x 6.00 1/25/2017  
Yes  
1/25/2017

12.00  
f

\$10.74 \$128.88

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

Line Total: \$128.88

7 M6061T6B0.500X12.000 / 6061-T6 Bar .500 x 12.00 1/25/2017  
Yes  
1/25/2017

12.00  
f

\$21.23 \$254.75

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

JAN 27 2017  
SP

Line Total: \$254.75

PO Instructions: NO PEC ST-8344

Note:

1/19/2017



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO35031**

Purchase Order Date 1/19/2017

PO Print Date 1/19/2017

Page Number 4 of 6

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

Chantal Lavoie

8	M6061T6B0.750X00.750	6061-T6 Bar .750 x .750	1/25/2017	12.00	\$4.58	\$55.00
			Yes	f		
			1/25/2017			

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

Line Total: \$55.00

9	M6061T6B00750X00.125	6061-T6 Bar .750 x .125	1/25/2017	100.00	\$0.55	\$55.00
			Yes	f		
			1/25/2017			

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

Line Total: \$55.00

10	M6061T6B2.000X01.250	6061-T6 Bar 2.00 x 1.25	1/25/2017	12.00	\$8.99	\$107.90
			Yes			
			1/25/2017			

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

JAN 27 2017

PO Instructions: NO PEC ST-8344

Note:

1/19/2017



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO35031**

Purchase Order Date 1/19/2017

PO Print Date 1/19/2017

Page Number 5 of 6

**Order From :**  
VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 905 669 9444

**Ship To Contact**

**Ship To Phone**

**Ship Via:** VENDOR'S TRUCK

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

FCA - (Free Carrier)

**Line Total:** **\$107.90**

11	M7075T6B7.000X2.000	7075-T6 BAR 7.000" X 2.000" (order in billets - 13.375")	1/30/2017	6.69	\$105.83	\$708.00
----	---------------------	--	-----------	------	----------	----------

Yes

f

1/30/2017

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR  
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

NOTE: CUT 6 PCS AT 13.375", GRAIN DIRECTION ALONG 13.375"

**Line Total:** **\$708.00**

12	71401-45	PROCUREMENT QUALITY CLAUSES	1/25/2017	1.00	\$0.00	\$0.00
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No

1/25/2017

**Procurement Quality Clauses**

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

JAN 27 2017

**PO Instructions:** NO PEC ST-8344

**Note:**

1/19/2017



Dart Aerospace Ltd.  
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Hawkesbury, ON K6A 1K7  
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## PURCHASE ORDER

Purchase Order ID **PO35031**

Purchase Order Date 1/19/2017

PO Print Date 1/19/2017

Page Number 6 of 6

**Order From :** VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 905 669 9444

**Ship To Contact**

**Ship To Phone**

**Ship Via:** VENDOR'S TRUCK

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms** Net 30

**Currency** CAD

**FOB** FCA – (Free Carrier)

**Line Total:** \$0.00

**PO Total:** \$1,735.95

**PO Instructions:** NO PEC ST-8344

**Note:** Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

**Change Nbr:** 1

**Change Date:** 1/19/2017